

# STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT SECRETARY

November 4, 2004

NC Department of Environment and Natural Resources Division of Water Quality 2321 Crabtree Blvd. Raleigh, NC 27604

Attn: Ms. Nicole Thomson

NCDOT Coordinator, Division 5

Dear Madam:

Subject: Supplemental Information for Permit Modification Application to Section 401 for the Northern Wake Expressway (I-540) from US 1 to US 64 in Wake County, Division 5. State Project No. 8.2401701, Federal Aid Project No. F-123-1(1), TIP No. R-2000 F&G; State Project No. 8.2401701, WBS Element No. 34365.1.1. NCDENR-DWQ Water Quality Certification Project No. 030114 and USACE Action ID 199920387.

The North Carolina Department of Transportation (NCDOT) proposes to construct a new controlled-access six-lane, divided highway to be known as the Northern Wake Expressway (I-540). The new location of the project is from US 1 to US 64 in Wake County. NCDOT submitted an individual Section 404 (of the Clean Water Act) Permit Application to the U.S. Army Corps of Engineers (USACE) for the subject project on March 29, 1996. On October 10, 1996, the Section 404 Permit was issued by the USACE (Action ID No. 199601917) and on September 27, 1996, a Section 401 Water Quality Certification was issued by the N.C. Division of Water Quality (DWQ Project 960319). NCDOT submitted a Section 404 and Section 401 Water Quality Certification modification application on January 31, 2003. The USACE issued the Section 404 Permit Modification on June 2, 2003 (Action ID No. 199920387) and The North Carolina Division of Water Quality (DWQ) issued a Section 401 Water Quality Certificate Modification on May 5, 2003 (DWQ Project No. 030114. The project has been let and construction has begun.

The purpose of this submittal is provide additional information to our permit modification application dated September 27, 2004 to the Section 401 Water Quality Certification, specifically for Sections F&G. This information is for the change to the placement of a pipe to match the current location of the stream channel. This information is provided to be in compliance with the Section 401 Water Quality Certification (dated May 5, 2003) Condition No. 13 which states "No changes to the horizontal or vertical placement of the stormwater outfall locations, the

MAILING ADDRESS: NC DEPARTMENT OF TRANSPORTATION

NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

TELEPHONE: 919-715-1500 FAX: 919-715-1501 WEBSITE: WWW.NCDOT.ORG LOCATION: 2728 CAPITAL BLVD. PARKER LINCOLN BUILDING, SUITE 168 RALEIGH NC 27604 horizontal or vertical placement of the culverts, the horizontal or vertical placement of bridges, the horizontal or vertical placement of grassed swales, or the horizontal or vertical placement of open ditches is permitted without written approval from the NC Division of Water Quality (NCDWQ) 401 Wetlands Unit. In addition, no changes to the flow spreader locations or designs, preformed scour hole locations or designs are permitted without written approval for the NCDWQ 401 Wetlands Unit; Any request for changes to the referenced items above will require submittal of a modification request, with seven copies, and corresponding fees will need to be submitted to the NCDWQ."

The revised design does not compromise NCDOT's compliance with the existing permit conditions. The revision has been evaluated for compliance with the avoidance/minimization criteria and are in compliance with all previous issues, including the following:

- Protected Species
- Aquatic Life passage
- FEMA compliance
- Cultural Resources

# **Change to Pipe Location**

Permit Drawing 7 of 90/Plan Sheet 8/Site 2

It has been determined through field investigations that the approved location for the pipe at this site did match up to the current conditions in the field. The approved design and elevations for the placement of the pipe on the outlet end did not match up to the current stream channel. The pipe needs to moved 6 to 7 feet so it will lie within the current stream channel.

No additional jurisdictional or buffer impacts will occur due to the new placement of this pipe.

### **Regulatory Approvals**

We hereby ask that the additional information provided in this letter be added to our Permit Modification Application dated September 27, 2004 to the Section 401 Water Quality Certification from the NCDENR-DWQ. No additional jurisdictional or buffer impacts will occur based on this new information.

If you have any questions or need additional information, please call Ms. Rachelle Beauregard at (919) 715-1383.

Sincerely, fuck

Gregory J. Thorpe, Ph.D.

Environmental Management Director, PDEA

#### cc: w/attachment

Mr. Mr. Eric Alsmeyer, USACE

Mr. Travis Wilson, NCWRC

Ms. Becky Fox, USEPA - Whittier, NC

Mr. Ronald Mikulak, USEPA - Atlanta, GA

Mr. Gary Jordan, USFWS

Mr. David Chang, P.E., Hydraulics

Mr. Greg Perfetti, P.E., Structure Design

Mr. Jon Nance, P.E., Division 5 Engineer

Mr. Reese Briley, Division 5 Resident Engineer

Mr. Chris Murray, Division 5 Environmental Officer

## w/o attachment

Mr. Jay Bennett, P.E., Roadway Design

Mr. Omar Sultan, Programming and TIP

Mr. Art McMillan, P.E., Highway Design

Mr. Mark Staley, Roadside Environmental

Mr. David Franklin, USACE, Wilmington

Mr. Brian Yamamoto, PDEA Project Planning Engineer

